

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076823.D
 Acq On : 26 Jul 2023 23:25
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 27 04:29:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	290698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	522651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	463223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	214819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	124345	42.945	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.900%		
35) Dibromofluoromethane	7.805	113	159678	48.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.240%		
50) Toluene-d8	10.269	98	509791	43.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.780%		
62) 4-Bromofluorobenzene	12.569	95	173078	45.535	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	101436	44.622	ug/l	99
3) Chloromethane	2.146	50	152494	38.888	ug/l	100
4) Vinyl Chloride	2.276	62	210837	40.334	ug/l	98
5) Bromomethane	2.681	94	160454	37.307	ug/l	98
6) Chloroethane	2.823	64	161512	40.923	ug/l	99
7) Trichlorofluoromethane	3.164	101	235019	50.528	ug/l	98
8) Diethyl Ether	3.587	74	81628	50.972	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	154843	50.644	ug/l	99
10) Methyl Iodide	4.152	142	200275	58.108	ug/l	94
11) Tert butyl alcohol	5.058	59	57262	265.026	ug/l	100
12) 1,1-Dichloroethene	3.934	96	141863	49.386	ug/l	97
13) Acrolein	3.787	56	25049	170.126	ug/l	96
14) Allyl chloride	4.558	41	167251	44.322	ug/l	93
15) Acrylonitrile	5.252	53	185489	235.828	ug/l	99
16) Acetone	4.017	43	151442	219.007	ug/l #	82
17) Carbon Disulfide	4.264	76	286375	42.684	ug/l	96
18) Methyl Acetate	4.558	43	182395	70.205	ug/l	98
19) Methyl tert-butyl Ether	5.311	73	403781	52.417	ug/l	93
20) Methylene Chloride	4.793	84	213031	52.188	ug/l	97
21) trans-1,2-Dichloroethene	5.305	96	163269	48.897	ug/l	99
22) Diisopropyl ether	6.216	45	411965	46.103	ug/l	98
23) Vinyl Acetate	6.152	43	704468m	159.337	ug/l	
24) 1,1-Dichloroethane	6.105	63	289023	47.972	ug/l	98
25) 2-Butanone	7.081	43	216589	234.034	ug/l	93
26) 2,2-Dichloropropane	7.075	77	230229	44.330	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	211082	51.280	ug/l	100
28) Bromochloromethane	7.422	49	55044	36.544	ug/l	97
29) Tetrahydrofuran	7.446	42	132648	242.591	ug/l	99
30) Chloroform	7.593	83	335710	50.875	ug/l	98
31) Cyclohexane	7.875	56	178283	41.839	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	277613	52.143	ug/l	96
36) 1,1-Dichloropropene	8.005	75	207144	48.265	ug/l	99
37) Ethyl Acetate	7.163	43	85822	44.715	ug/l	96
38) Carbon Tetrachloride	7.987	117	212257	51.651	ug/l	98
39) Methylcyclohexane	9.269	83	239152	48.259	ug/l	99
40) Benzene	8.246	78	892824	65.932	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	48127	41.062	ug/l #	86
42) 1,2-Dichloroethane	8.322	62	174883	49.704	ug/l	99
43) Isopropyl Acetate	8.363	43	181054	48.336	ug/l	94
44) Trichloroethene	9.028	130	198469	53.784	ug/l	92
45) 1,2-Dichloropropane	9.305	63	170826	48.869	ug/l	100
46) Dibromomethane	9.393	93	106673	52.135	ug/l	95
47) Bromodichloromethane	9.581	83	257944	50.236	ug/l	98
48) Methyl methacrylate	9.381	41	82557	48.425	ug/l #	88
49) 1,4-Dioxane	9.381	88	28570	1089.839	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	483721	242.544	ug/l	96
52) Toluene	10.334	92	607549	68.311	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	235544	49.423	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	270717	48.197	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	147861	49.488	ug/l	97
56) Ethyl methacrylate	10.599	69	175603	50.921	ug/l	96
57) 1,3-Dichloropropane	10.881	76	267938	55.066	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	292692	219.268	ug/l	98
59) 2-Hexanone	10.922	43	342670	240.798	ug/l	96
60) Dibromochloromethane	11.069	129	183876	52.975	ug/l	94
61) 1,2-Dibromoethane	11.181	107	146463	52.873	ug/l	97
64) Tetrachloroethene	10.810	164	225305	85.298	ug/l	92
65) Chlorobenzene	11.604	112	502503	53.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	189424	54.612	ug/l	97
67) Ethyl Benzene	11.681	91	1132175	69.198	ug/l	96
68) m/p-Xylenes	11.793	106	731556	116.420	ug/l	93
69) o-Xylene	12.122	106	348928	57.423	ug/l	93
70) Styrene	12.134	104	622430	58.514	ug/l	97
71) Bromoform	12.299	173	109234	57.502	ug/l #	98
73) Isopropylbenzene	12.422	105	852999	54.730	ug/l	97
74) N-amyl acetate	12.234	43	159203	48.487	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	171760	51.328	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	113578m	55.596	ug/l	
77) Bromobenzene	12.698	156	796412	221.378	ug/l #	22
78) n-propylbenzene	12.763	91	995888	52.707	ug/l	98
79) 2-Chlorotoluene	12.851	91	558901	53.948	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	696406	55.260	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	46204	48.134	ug/l	99
82) 4-Chlorotoluene	12.946	91	579048	53.502	ug/l	95
83) tert-Butylbenzene	13.163	119	622982	56.143	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	724166	56.231	ug/l	96
85) sec-Butylbenzene	13.345	105	920805	54.315	ug/l	96
86) p-Isopropyltoluene	13.457	119	762234	54.441	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	398158	53.809	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	393874	54.330	ug/l	98
89) n-Butylbenzene	13.787	91	696042	50.804	ug/l	99
90) Hexachloroethane	14.051	117	140771	54.384	ug/l	89
91) 1,2-Dichlorobenzene	13.828	146	355059	54.455	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	49948	104.685	ug/l	54
93) 1,2,4-Trichlorobenzene	15.098	180	222159	55.810	ug/l	97
94) Hexachlorobutadiene	15.204	225	104769	54.726	ug/l	99
95) Naphthalene	15.328	128	3575671	414.862	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	204626	57.284	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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