

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076805.D
 Acq On : 26 Jul 2023 14:54
 Operator : KP/SY
 Sample : VD0726SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 27 04:22:56 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	210435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	358976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95558	45.591	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.180%		
35) Dibromofluoromethane	7.805	113	112156	49.718	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.440%		
50) Toluene-d8	10.269	98	384492	47.645	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.280%		
62) 4-Bromofluorobenzene	12.575	95	132123	50.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	36191	21.993	ug/l	97
3) Chloromethane	2.146	50	47282	16.656	ug/l	98
4) Vinyl Chloride	2.276	62	68646	18.141	ug/l	99
5) Bromomethane	2.670	94	55986	17.982	ug/l	98
6) Chloroethane	2.823	64	51296	17.954	ug/l	91
7) Trichlorofluoromethane	3.164	101	72081	21.408	ug/l	95
8) Diethyl Ether	3.587	74	21757	18.768	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.964	101	46674	21.088	ug/l	96
10) Methyl Iodide	4.152	142	46848	18.777	ug/l	92
11) Tert butyl alcohol	5.052	59	16694	106.735	ug/l	99
12) 1,1-Dichloroethene	3.934	96	39749	19.115	ug/l #	79
13) Acrolein	3.793	56	11270	105.737	ug/l	93
14) Allyl chloride	4.558	41	50836	18.610	ug/l	93
15) Acrylonitrile	5.246	53	52228	91.729	ug/l	97
16) Acetone	4.017	43	50292	100.470	ug/l	88
17) Carbon Disulfide	4.264	76	78461	16.155	ug/l	99
18) Methyl Acetate	4.558	43	36600	19.461	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	104668	18.770	ug/l	97
20) Methylene Chloride	4.787	84	78005	19.988	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	45780	18.940	ug/l	91
22) Diisopropyl ether	6.211	45	123220	19.049	ug/l	94
23) Vinyl Acetate	6.152	43	273232	85.371	ug/l	94
24) 1,1-Dichloroethane	6.105	63	84618	19.402	ug/l	98
25) 2-Butanone	7.081	43	67817	101.229	ug/l #	87
26) 2,2-Dichloropropane	7.069	77	79677	21.193	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	58416	19.605	ug/l	97
28) Bromochloromethane	7.422	49	23870	21.892	ug/l	88
29) Tetrahydrofuran	7.446	42	35610	89.964	ug/l	95
30) Chloroform	7.593	83	98390	20.597	ug/l	96
31) Cyclohexane	7.869	56	57157	18.529	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	82456	21.395	ug/l	97
36) 1,1-Dichloropropene	8.005	75	62557	21.222	ug/l	98
37) Ethyl Acetate	7.169	43	27734	21.038	ug/l	96
38) Carbon Tetrachloride	7.993	117	65989	23.379	ug/l	96
39) Methylcyclohexane	9.275	83	70508	20.715	ug/l	96
40) Benzene	8.246	78	187087	20.115	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.411	41	16090	19.987	ug/l #	81
42) 1,2-Dichloroethane	8.322	62	50445	20.874	ug/l	98
43) Isopropyl Acetate	8.358	43	52144	20.268	ug/l #	79
44) Trichloroethene	9.022	130	53261	21.014	ug/l	97
45) 1,2-Dichloropropane	9.305	63	49228	20.504	ug/l	98
46) Dibromomethane	9.393	93	30127	21.438	ug/l	90
47) Bromodichloromethane	9.581	83	71223	20.196	ug/l	93
48) Methyl methacrylate	9.381	41	21178	18.086	ug/l	92
49) 1,4-Dioxane	9.393	88	6856	380.776	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	138619	101.196	ug/l	93
52) Toluene	10.328	92	122379	20.034	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	65899	20.132	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	78506	20.350	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	41969	20.451	ug/l	93
56) Ethyl methacrylate	10.599	69	47803	20.182	ug/l #	93
57) 1,3-Dichloropropane	10.881	76	68031	20.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	94818	103.419	ug/l	99
59) 2-Hexanone	10.922	43	100553	102.877	ug/l	94
60) Dibromochloromethane	11.075	129	50661	21.251	ug/l	96
61) 1,2-Dibromoethane	11.181	107	38186	20.071	ug/l	94
64) Tetrachloroethene	10.810	164	44630	24.067	ug/l	95
65) Chlorobenzene	11.610	112	142277	21.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	53107	21.809	ug/l	98
67) Ethyl Benzene	11.681	91	239103	20.815	ug/l	100
68) m/p-Xylenes	11.793	106	185093	41.956	ug/l	92
69) o-Xylene	12.122	106	87178	20.435	ug/l	92
70) Styrene	12.134	104	156326	20.933	ug/l	98
71) Bromoform	12.299	173	29197	21.892	ug/l #	98
73) Isopropylbenzene	12.422	105	240905	20.821	ug/l	95
74) N-amyl acetate	12.234	43	48924	20.071	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	50652	20.389	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	32318m	21.310	ug/l	
77) Bromobenzene	12.698	156	57408	21.495	ug/l	92
78) n-propylbenzene	12.763	91	294208	20.975	ug/l	97
79) 2-Chlorotoluene	12.846	91	159664	20.760	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	192992	20.628	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	14610	20.502	ug/l	97
82) 4-Chlorotoluene	12.946	91	169750	21.127	ug/l	95
83) tert-Butylbenzene	13.163	119	179839	21.832	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	194319	20.325	ug/l	96
85) sec-Butylbenzene	13.346	105	271726	21.590	ug/l	95
86) p-Isopropyltoluene	13.457	119	218773	21.048	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	114662	20.873	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	116881	21.717	ug/l	96
89) n-Butylbenzene	13.787	91	216264	21.263	ug/l	97
90) Hexachloroethane	14.051	117	43226	22.495	ug/l	90
91) 1,2-Dichlorobenzene	13.834	146	102930	21.265	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7014	19.802	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	61500	20.811	ug/l	97
94) Hexachlorobutadiene	15.198	225	33248	23.394	ug/l	97
95) Naphthalene	15.328	128	129178	20.189	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	55793	21.039	ug/l	98

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

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