

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078490.D
 Acq On : 20 Feb 2024 18:21
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 21 05:28:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	130169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	224509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	214047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66500	47.249	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.500%		
35) Dibromofluoromethane	7.805	113	72885	51.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.220%		
50) Toluene-d8	10.269	98	282118	49.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.900%		
62) 4-Bromofluorobenzene	12.569	95	81685	49.204	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	69861	54.471	ug/l	96
3) Chloromethane	2.152	50	132512	56.221	ug/l	99
4) Vinyl Chloride	2.281	62	194502	54.079	ug/l	99
5) Bromomethane	2.687	94	140588	56.630	ug/l	100
6) Chloroethane	2.834	64	141789	54.063	ug/l	98
7) Trichlorofluoromethane	3.169	101	123835	51.041	ug/l	97
8) Diethyl Ether	3.599	74	38029	54.419	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.964	101	79425	51.892	ug/l	97
10) Methyl Iodide	4.169	142	77330	56.409	ug/l	92
11) Tert butyl alcohol	5.069	59	22770	299.619	ug/l #	85
12) 1,1-Dichloroethene	3.940	96	75200	52.995	ug/l	90
13) Acrolein	3.805	56	19131	147.134	ug/l	96
14) Allyl chloride	4.558	41	88162	50.292	ug/l	94
15) Acrylonitrile	5.252	53	86726	289.904	ug/l	96
16) Acetone	4.028	43	71240	265.007	ug/l	90
17) Carbon Disulfide	4.269	76	226732	47.485	ug/l	97
18) Methyl Acetate	4.564	43	74662	70.774	ug/l	94
19) Methyl tert-butyl Ether	5.316	73	178248	59.123	ug/l	96
20) Methylene Chloride	4.799	84	92949	58.845	ug/l	95
21) trans-1,2-Dichloroethene	5.316	96	87141	52.201	ug/l	92
22) Diisopropyl ether	6.222	45	209859	54.315	ug/l	97
23) Vinyl Acetate	6.158	43	432794m	274.689	ug/l	
24) 1,1-Dichloroethane	6.110	63	146777	53.625	ug/l	97
25) 2-Butanone	7.081	43	103690	293.512	ug/l #	81
26) 2,2-Dichloropropane	7.081	77	116675	50.849	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	100595	54.924	ug/l	95
28) Bromochloromethane	7.422	49	53797	49.624	ug/l	90
29) Tetrahydrofuran	7.446	42	62484	298.524	ug/l	95
30) Chloroform	7.599	83	159136	54.951	ug/l	99
31) Cyclohexane	7.875	56	111157	46.688	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	131858	53.404	ug/l	98
36) 1,1-Dichloropropene	8.010	75	118052	53.286	ug/l	97
37) Ethyl Acetate	7.169	43	45317	58.352	ug/l	96
38) Carbon Tetrachloride	7.993	117	116516	53.106	ug/l	96
39) Methylcyclohexane	9.275	83	137810	52.397	ug/l	92
40) Benzene	8.252	78	353347	55.179	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	22085	54.642	ug/l #	87
42) 1,2-Dichloroethane	8.328	62	91370	55.144	ug/l	98
43) Isopropyl Acetate	8.363	43	85948	59.765	ug/l	94
44) Trichloroethene	9.028	130	92682	56.732	ug/l	86
45) 1,2-Dichloropropane	9.304	63	87223	55.515	ug/l	95
46) Dibromomethane	9.393	93	51164	57.896	ug/l	93
47) Bromodichloromethane	9.581	83	121258	55.398	ug/l #	96
48) Methyl methacrylate	9.381	41	49184	64.464	ug/l	87
49) 1,4-Dioxane	9.387	88	12674	1324.286	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	233948	306.508	ug/l	94
52) Toluene	10.334	92	228030	56.310	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	116343	58.251	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	137076	56.600	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	72523	60.938	ug/l	95
56) Ethyl methacrylate	10.593	69	61025	55.443	ug/l	95
57) 1,3-Dichloropropane	10.881	76	118543	58.555	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	171781	264.952	ug/l	96
59) 2-Hexanone	10.922	43	167738	292.427	ug/l	94
60) Dibromochloromethane	11.075	129	87347	61.000	ug/l	98
61) 1,2-Dibromoethane	11.175	107	69132	61.875	ug/l	99
64) Tetrachloroethene	10.810	164	75033	55.498	ug/l	97
65) Chlorobenzene	11.604	112	243114	56.496	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	92033	58.197	ug/l	96
67) Ethyl Benzene	11.681	91	435803	56.523	ug/l	96
68) m/p-Xylenes	11.787	106	345161	114.767	ug/l	94
69) o-Xylene	12.116	106	160609	58.519	ug/l	96
70) Styrene	12.134	104	252574	56.388	ug/l	98
71) Bromoform	12.298	173	53051	63.736	ug/l #	96
73) Isopropylbenzene	12.416	105	416809	54.956	ug/l	97
74) N-amyl acetate	12.228	43	77972	54.342	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	88374	58.740	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	60811m	63.417	ug/l	
77) Bromobenzene	12.698	156	100825	56.566	ug/l	93
78) n-propylbenzene	12.757	91	511496	54.117	ug/l	96
79) 2-Chlorotoluene	12.845	91	271281	53.588	ug/l	98
80) 1,3,5-Trimethylbenzene	12.898	105	350161	55.601	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	25575	55.370	ug/l	98
82) 4-Chlorotoluene	12.945	91	293095	53.908	ug/l	98
83) tert-Butylbenzene	13.163	119	296995	55.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	359534	56.251	ug/l	97
85) sec-Butylbenzene	13.339	105	444328	53.943	ug/l	96
86) p-Isopropyltoluene	13.457	119	399240	56.905	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	211633	55.630	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	210982	56.443	ug/l	99
89) n-Butylbenzene	13.787	91	369000	54.567	ug/l	98
90) Hexachloroethane	14.051	117	77154	53.505	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	185320	58.011	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11841	60.108	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	111487	59.382	ug/l	99
94) Hexachlorobutadiene	15.198	225	55611	56.748	ug/l	99
95) Naphthalene	15.328	128	227154	65.232	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	97478	61.263	ug/l	97

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

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