

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021924\
 Data File : VD078470.D
 Acq On : 19 Feb 2024 18:13
 Operator : RP/MD
 Sample : P1509-10MSD
 Misc : 5.01G/8ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-191-GW-858-860MSD

Quant Time: Feb 19 23:50:15 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 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	83499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	149489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	137048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57970	64.209	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.420%			
35) Dibromofluoromethane	7.805	113	60557	63.772	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.540%			
50) Toluene-d8	10.269	98	214447	56.455	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.900%			
62) 4-Bromofluorobenzene	12.569	95	57648	52.151	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	50513	61.399	ug/l	94
3) Chloromethane	2.152	50	101143	66.896	ug/l	95
4) Vinyl Chloride	2.281	62	141075	61.148	ug/l	98
5) Bromomethane	2.687	94	90214	56.650	ug/l	96
6) Chloroethane	2.828	64	99516	59.153	ug/l	96
7) Trichlorofluoromethane	3.170	101	89513	57.516	ug/l	92
8) Diethyl Ether	3.593	74	28676	63.970	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.964	101	52208	53.175	ug/l	99
10) Methyl Iodide	4.164	142	51769	58.871	ug/l #	90
11) Tert butyl alcohol	5.064	59	17040	350.507	ug/l #	93
12) 1,1-Dichloroethene	3.934	96	50757	55.762	ug/l	91
13) Acrolein	3.799	56	6684	80.138	ug/l	94
14) Allyl chloride	4.564	41	61766	54.928	ug/l	91
15) Acrylonitrile	5.258	53	69453	361.928	ug/l	98
16) Acetone	4.022	43	66685	407.943	ug/l	91
17) Carbon Disulfide	4.269	76	152444	49.771	ug/l	99
18) Methyl Acetate	4.569	43	56199	81.933	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	127981	66.177	ug/l	99
20) Methylene Chloride	4.799	84	75005	74.875	ug/l	93
21) trans-1,2-Dichloroethene	5.311	96	61396	57.335	ug/l	94
22) Diisopropyl ether	6.222	45	155993	62.939	ug/l	95
23) Vinyl Acetate	6.158	43	293647m	291.402	ug/l	
24) 1,1-Dichloroethane	6.116	63	105574	60.130	ug/l	96
25) 2-Butanone	7.087	43	79849	355.717	ug/l	91
26) 2,2-Dichloropropane	7.075	77	81624	55.456	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	71901	61.200	ug/l	97
28) Bromochloromethane	7.434	49	39374	56.620	ug/l	82
29) Tetrahydrofuran	7.446	42	49391	367.862	ug/l	90
30) Chloroform	7.593	83	114994	61.903	ug/l	97
31) Cyclohexane	7.875	56	75381	49.358	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	91924	58.039	ug/l	99
36) 1,1-Dichloropropene	8.010	75	76317	51.735	ug/l	97
37) Ethyl Acetate	7.169	43	33114	64.037	ug/l	95
38) Carbon Tetrachloride	7.993	117	79016	54.088	ug/l	96
39) Methylcyclohexane	9.275	83	79408	45.344	ug/l	97
40) Benzene	8.252	78	245943	57.681	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	17606	65.420	ug/l #	93
42) 1,2-Dichloroethane	8.322	62	69867	63.327	ug/l	95
43) Isopropyl Acetate	8.363	43	64656	67.522	ug/l	93
44) Trichloroethene	9.028	130	61243	56.301	ug/l	90
45) 1,2-Dichloropropane	9.304	63	62142	59.400	ug/l	97
46) Dibromomethane	9.393	93	38461	65.362	ug/l	90
47) Bromodichloromethane	9.587	83	88716	60.871	ug/l	99
48) Methyl methacrylate	9.381	41	36009	70.881	ug/l	83
49) 1,4-Dioxane	9.381	88	8507	1334.963	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	173245	340.884	ug/l	92
52) Toluene	10.334	92	154773	57.400	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	79810	60.013	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	96640	59.928	ug/l #	93
55) 1,1,2-Trichloroethane	10.728	97	52534	66.295	ug/l	94
56) Ethyl methacrylate	10.599	69	42737	58.313	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	85984	63.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	112622	260.879	ug/l	96
59) 2-Hexanone	10.922	43	117029	306.411	ug/l	92
60) Dibromochloromethane	11.069	129	61855	64.876	ug/l	96
61) 1,2-Dibromoethane	11.181	107	48997	65.861	ug/l	99
64) Tetrachloroethene	10.810	164	47113	54.426	ug/l	87
65) Chlorobenzene	11.604	112	156435	56.778	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	64004	63.212	ug/l	98
67) Ethyl Benzene	11.681	91	263867	53.451	ug/l	97
68) m/p-Xylenes	11.793	106	217754	113.083	ug/l	92
69) o-Xylene	12.116	106	101344	57.672	ug/l	94
70) Styrene	12.134	104	139543	48.657	ug/l	93
71) Bromoform	12.298	173	35565	66.734	ug/l #	100
73) Isopropylbenzene	12.416	105	228971	56.362	ug/l	96
74) N-amyl acetate	12.234	43	54181	70.497	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	61932	76.852	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	36863m	71.770	ug/l	
77) Bromobenzene	12.698	156	63619	66.634	ug/l	90
78) n-propylbenzene	12.763	91	244090	48.214	ug/l	96
79) 2-Chlorotoluene	12.845	91	161095	59.410	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	203409	60.299	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	17990	72.714	ug/l	96
82) 4-Chlorotoluene	12.945	91	168625	57.902	ug/l	95
83) tert-Butylbenzene	13.163	119	167892	59.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	201754	58.930	ug/l	97
85) sec-Butylbenzene	13.345	105	191688	43.446	ug/l	97
86) p-Isopropyltoluene	13.457	119	202372	53.851	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	111127	54.535	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	110375	55.127	ug/l	99
89) n-Butylbenzene	13.787	91	129230	35.678	ug/l	97
90) Hexachloroethane	14.051	117	43187	55.914	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	101269	59.182	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8037	76.166	ug/l	99
93) 1,2,4-Trichlorobenzene	15.092	180	40019	39.794	ug/l	100
94) Hexachlorobutadiene	15.198	225	17424	33.194	ug/l	99
95) Naphthalene	15.328	128	112815	60.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	36934	43.335	ug/l	98

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

