

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021924\
 Data File : VD078469.D
 Acq On : 19 Feb 2024 17:46
 Operator : RP/MD
 Sample : P1509-09MS
 Misc : 5.03G/8ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 19 23:49:32 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	7.875	168	45028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	82802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	83952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	42445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	44677	91.765	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 183.520%#			
35) Dibromofluoromethane	7.804	113	38831	73.827	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 147.660%#			
50) Toluene-d8	10.269	98	130379	61.966	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 123.940%			
62) 4-Bromofluorobenzene	12.569	95	39066	63.804	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 127.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	20602	46.437	ug/l	95
3) Chloromethane	2.152	50	49667	60.916	ug/l	98
4) Vinyl Chloride	2.281	62	63832	51.306	ug/l	97
5) Bromomethane	2.687	94	43817	51.023	ug/l	99
6) Chloroethane	2.834	64	49509	54.572	ug/l	98
7) Trichlorofluoromethane	3.163	101	38837	46.275	ug/l	99
8) Diethyl Ether	3.593	74	18998	78.590	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.963	101	24697	46.646	ug/l	94
10) Methyl Iodide	4.169	142	25175	53.088	ug/l	93
11) Tert butyl alcohol	5.057	59	16021	615.402	ug/l #	90
12) 1,1-Dichloroethene	3.934	96	23173	47.209	ug/l #	79
13) Acrolein	3.793	56	23500	522.479	ug/l	99
14) Allyl chloride	4.557	41	34402	56.731	ug/l #	91
15) Acrylonitrile	5.257	53	61373	593.071	ug/l	99
16) Acetone	4.022	43	45519	534.547	ug/l	96
17) Carbon Disulfide	4.275	76	74268	44.964	ug/l	99
18) Methyl Acetate	4.569	43	50058	129.798	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	95441	91.515	ug/l	99
20) Methylene Chloride	4.799	84	44228	82.181	ug/l	90
21) trans-1,2-Dichloroethene	5.316	96	32071	55.538	ug/l	93
22) Diisopropyl ether	6.216	45	97149	72.687	ug/l	95
23) Vinyl Acetate	6.157	43	250876	470.338	ug/l	94
24) 1,1-Dichloroethane	6.116	63	56771	59.960	ug/l	94
25) 2-Butanone	7.081	43	67988	571.348	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	40367	50.858	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	38139	60.198	ug/l	93
28) Bromochloromethane	7.428	49	30251	80.667	ug/l	85
29) Tetrahydrofuran	7.446	42	44266	611.372	ug/l	96
30) Chloroform	7.593	83	65995	65.879	ug/l	95
31) Cyclohexane	7.875	56	34197	41.522	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	45048	52.743	ug/l	98
36) 1,1-Dichloropropene	8.010	75	37552	45.958	ug/l	99
37) Ethyl Acetate	7.175	43	30074	104.997	ug/l	95
38) Carbon Tetrachloride	7.993	117	38155	47.152	ug/l	99
39) Methylcyclohexane	9.275	83	39749	40.978	ug/l	97
40) Benzene	8.251	78	130705	55.342	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	11960	80.233	ug/l #	64
42) 1,2-Dichloroethane	8.328	62	48640	79.594	ug/l	96
43) Isopropyl Acetate	8.363	43	54398	102.562	ug/l	90
44) Trichloroethene	9.028	130	31155	51.708	ug/l	91
45) 1,2-Dichloropropane	9.298	63	38434	66.327	ug/l	96
46) Dibromomethane	9.392	93	27496	84.361	ug/l	93
47) Bromodichloromethane	9.587	83	54669	67.720	ug/l	98
48) Methyl methacrylate	9.381	41	30013	106.659	ug/l	83
49) 1,4-Dioxane	9.387	88	6924	1961.635	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	156207	554.901	ug/l	94
52) Toluene	10.334	92	82014	54.913	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	54969	74.623	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	60196	67.393	ug/l #	88
55) 1,1,2-Trichloroethane	10.728	97	38319	87.301	ug/l	93
56) Ethyl methacrylate	10.598	69	33685	82.979	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	61851	82.838	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	101746	425.503	ug/l	96
59) 2-Hexanone	10.922	43	108216	511.529	ug/l	90
60) Dibromochloromethane	11.075	129	43491	82.352	ug/l	94
61) 1,2-Dibromoethane	11.181	107	37946	92.086	ug/l	97
64) Tetrachloroethene	10.810	164	23927	45.123	ug/l	94
65) Chlorobenzene	11.604	112	90001	53.326	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	37498	60.456	ug/l	99
67) Ethyl Benzene	11.681	91	140752	46.544	ug/l	99
68) m/p-Xylenes	11.792	106	114442	97.020	ug/l	93
69) o-Xylene	12.122	106	54550	50.676	ug/l	91
70) Styrene	12.134	104	81339	46.299	ug/l	95
71) Bromoform	12.298	173	27660	84.727	ug/l #	97
73) Isopropylbenzene	12.422	105	134958	47.351	ug/l	95
74) N-amyl acetate	12.233	43	45417	84.231	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	51131	90.438	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	38356m	106.442	ug/l	
77) Bromobenzene	12.698	156	38743	57.841	ug/l	81
78) n-propylbenzene	12.763	91	161742	45.538	ug/l	96
79) 2-Chlorotoluene	12.845	91	93465	49.131	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	112376	47.483	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	15461	89.074	ug/l	95
82) 4-Chlorotoluene	12.945	91	101035	49.451	ug/l	96
83) tert-Butylbenzene	13.163	119	90174	45.179	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	116735	48.601	ug/l	97
85) sec-Butylbenzene	13.345	105	131879	42.605	ug/l	95
86) p-Isopropyltoluene	13.457	119	115408	43.773	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	72879	50.978	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	70531	50.211	ug/l	95
89) n-Butylbenzene	13.786	91	102902	40.493	ug/l	99
90) Hexachloroethane	14.051	117	27041	49.902	ug/l	86
91) 1,2-Dichlorobenzene	13.828	146	68279	56.876	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7324	98.934	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	36588	51.859	ug/l	97
94) Hexachlorobutadiene	15.198	225	15736	42.731	ug/l	98
95) Naphthalene	15.333	128	101418	77.502	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	35051	58.620	ug/l	98

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

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