

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101424\
 Data File : VD079972.D
 Acq On : 14 Oct 2024 11:43
 Operator : RP/MD
 Sample : VD1014SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Quant Time: Oct 15 03:11:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 03:20:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	131948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	215629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	197559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	111709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78428	52.252	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.500%			
35) Dibromofluoromethane	7.804	113	76508	49.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.320%			
50) Toluene-d8	10.269	98	269800	48.647	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.569	95	97390	50.304	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	25516	19.675	ug/l	94
3) Chloromethane	2.152	50	27687	20.786	ug/l	96
4) Vinyl Chloride	2.287	62	32955	19.899	ug/l	92
5) Bromomethane	2.687	94	30077	21.111	ug/l	99
6) Chloroethane	2.834	64	25609	22.651	ug/l	93
7) Trichlorofluoromethane	3.175	101	53491	20.616	ug/l	99
8) Diethyl Ether	3.593	74	15267	21.421	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.975	101	31618	19.840	ug/l	98
10) Methyl Iodide	4.163	142	28459	18.212	ug/l	98
11) Tert butyl alcohol	5.063	59	11683	127.260	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	28157	19.861	ug/l	98
13) Acrolein	3.799	56	13193	134.029	ug/l	90
14) Allyl chloride	4.558	41	42084	19.985	ug/l	98
15) Acrylonitrile	5.252	53	40335	118.439	ug/l	97
16) Acetone	4.028	43	44263	113.771	ug/l	98
17) Carbon Disulfide	4.269	76	65657	16.614	ug/l	98
18) Methyl Acetate	4.569	43	20182	24.165	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	71558	21.855	ug/l	95
20) Methylene Chloride	4.799	84	40279	22.272	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	31164	20.472	ug/l	94
22) Diisopropyl ether	6.216	45	100248	21.952	ug/l #	95
23) Vinyl Acetate	6.157	43	272943	106.373	ug/l	98
24) 1,1-Dichloroethane	6.105	63	62974	20.930	ug/l	96
25) 2-Butanone	7.081	43	54174	114.352	ug/l	95
26) 2,2-Dichloropropane	7.075	77	53665	20.615	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	38323	20.244	ug/l	94
28) Bromochloromethane	7.422	49	27989	21.795	ug/l	100
29) Tetrahydrofuran	7.446	42	29756	117.442	ug/l	99
30) Chloroform	7.593	83	68628	21.533	ug/l	98
31) Cyclohexane	7.875	56	40374	17.702	ug/l #	92
32) 1,1,1-Trichloroethane	7.793	97	54819	20.764	ug/l	99
36) 1,1-Dichloropropene	8.010	75	39123	18.756	ug/l	97
37) Ethyl Acetate	7.169	43	20799	20.596	ug/l #	80
38) Carbon Tetrachloride	7.993	117	45442	19.604	ug/l	97
39) Methylcyclohexane	9.275	83	41335	17.659	ug/l	94
40) Benzene	8.252	78	134347	20.367	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	14332	27.025	ug/l #	84
42) 1,2-Dichloroethane	8.322	62	39800	21.940	ug/l	100
43) Isopropyl Acetate	8.363	43	40938	22.004	ug/l	98
44) Trichloroethene	9.028	130	31618	19.376	ug/l	95
45) 1,2-Dichloropropane	9.299	63	35435	21.184	ug/l	99
46) Dibromomethane	9.393	93	20663	22.389	ug/l	97
47) Bromodichloromethane	9.581	83	54394	22.222	ug/l	94
48) Methyl methacrylate	9.381	41	18831	22.471	ug/l	94
49) 1,4-Dioxane	9.387	88	4502	443.929	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	111617	117.267	ug/l	97
52) Toluene	10.328	92	83617	20.704	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	45183	21.080	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	53711	21.237	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	30257	23.339	ug/l	96
56) Ethyl methacrylate	10.598	69	31767	20.975	ug/l	98
57) 1,3-Dichloropropane	10.881	76	46708	22.325	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	65413	116.720	ug/l	99
59) 2-Hexanone	10.922	43	80196	113.760	ug/l	100
60) Dibromochloromethane	11.075	129	36696	21.786	ug/l	99
61) 1,2-Dibromoethane	11.181	107	26383	22.112	ug/l	99
64) Tetrachloroethene	10.810	164	29095	20.880	ug/l	98
65) Chlorobenzene	11.604	112	96185	20.920	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	36367	22.017	ug/l	97
67) Ethyl Benzene	11.681	91	154550	19.874	ug/l	98
68) m/p-Xylenes	11.792	106	119310	39.977	ug/l	99
69) o-Xylene	12.122	106	54806	19.848	ug/l	98
70) Styrene	12.134	104	99861	20.323	ug/l	99
71) Bromoform	12.298	173	21758	21.904	ug/l #	98
73) Isopropylbenzene	12.422	105	149347	19.653	ug/l	99
74) N-amyl acetate	12.228	43	39166	21.310	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	36185	23.485	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	23333m	18.933	ug/l	
77) Bromobenzene	12.698	156	40254	20.475	ug/l	98
78) n-propylbenzene	12.763	91	187134	19.807	ug/l	99
79) 2-Chlorotoluene	12.845	91	112357	20.470	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	126637	19.772	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	11465	20.761	ug/l	96
82) 4-Chlorotoluene	12.945	91	121006	20.520	ug/l	100
83) tert-Butylbenzene	13.163	119	105855	19.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	129265	20.098	ug/l	98
85) sec-Butylbenzene	13.345	105	164376	19.483	ug/l	99
86) p-Isopropyltoluene	13.457	119	135823	19.298	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	81629	20.294	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	81218	20.209	ug/l	98
89) n-Butylbenzene	13.787	91	130495	19.169	ug/l	99
90) Hexachloroethane	14.057	117	31458	20.220	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	73582	20.941	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5231	20.333	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	44123	20.037	ug/l	99
94) Hexachlorobutadiene	15.204	225	23036	18.997	ug/l	96
95) Naphthalene	15.333	128	79041	20.127	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	38431	19.693	ug/l	97

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

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