

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077931.D
 Acq On : 16 Dec 2023 13:44
 Operator : RP/MD
 Sample : VD1216SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 01:57:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	128308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	220422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	199656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	66264	43.828	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.660%		
35) Dibromofluoromethane	7.804	113	68166	44.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.300%		
50) Toluene-d8	10.269	98	276484	44.711	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.420%		
62) 4-Bromofluorobenzene	12.569	95	82268	44.498	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	31451	19.623	ug/l	95
3) Chloromethane	2.152	50	46240	21.165	ug/l	99
4) Vinyl Chloride	2.287	62	65397	22.050	ug/l	99
5) Bromomethane	2.687	94	41349	24.846	ug/l	97
6) Chloroethane	2.834	64	44061	21.791	ug/l	95
7) Trichlorofluoromethane	3.181	101	51908	19.003	ug/l	97
8) Diethyl Ether	3.593	74	14877	19.396	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.969	101	32394	20.730	ug/l	95
10) Methyl Iodide	4.169	142	28239	24.580	ug/l	93
11) Tert butyl alcohol	5.052	59	7269m	92.747	ug/l	
12) 1,1-Dichloroethene	3.940	96	29892	19.381	ug/l	91
13) Acrolein	3.787	56	13848	86.586	ug/l	99
14) Allyl chloride	4.563	41	39552	18.646	ug/l	92
15) Acrylonitrile	5.252	53	31655	96.390	ug/l	98
16) Acetone	4.022	43	41344	108.694	ug/l	91
17) Carbon Disulfide	4.269	76	87610	16.790	ug/l	97
18) Methyl Acetate	4.563	43	21269	17.862	ug/l #	88
19) Methyl tert-butyl Ether	5.316	73	60147	18.381	ug/l	95
20) Methylene Chloride	4.799	84	43246	21.380	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	33264	19.042	ug/l	92
22) Diisopropyl ether	6.222	45	81041	18.282	ug/l	97
23) Vinyl Acetate	6.151	43	197646	91.305	ug/l #	89
24) 1,1-Dichloroethane	6.110	63	56420	18.795	ug/l	99
25) 2-Butanone	7.081	43	42858	93.735	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	49539	19.656	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	37745	20.080	ug/l	92
28) Bromochloromethane	7.422	49	19964	16.459	ug/l #	79
29) Tetrahydrofuran	7.451	42	22155	92.021	ug/l	87
30) Chloroform	7.598	83	59984	19.966	ug/l	92
31) Cyclohexane	7.875	56	46822	17.411	ug/l	87
32) 1,1,1-Trichloroethane	7.793	97	51410	19.411	ug/l	98
36) 1,1-Dichloropropene	8.004	75	45119	18.269	ug/l	96
37) Ethyl Acetate	7.169	43	13908	14.443	ug/l #	92
38) Carbon Tetrachloride	7.987	117	45410	18.444	ug/l	96
39) Methylcyclohexane	9.269	83	51999	17.761	ug/l	91
40) Benzene	8.251	78	130054	18.554	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	9864	20.153	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	34022	18.725	ug/l	96
43) Isopropyl Acetate	8.363	43	30902	18.052	ug/l #	91
44) Trichloroethene	9.028	130	34400	18.832	ug/l	97
45) 1,2-Dichloropropane	9.310	63	32022	18.792	ug/l	89
46) Dibromomethane	9.392	93	17367	19.262	ug/l	92
47) Bromodichloromethane	9.581	83	44880	19.639	ug/l	94
48) Methyl methacrylate	9.375	41	16892	17.359	ug/l #	81
49) 1,4-Dioxane	9.387	88	3717	415.186	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	77261	88.435	ug/l	93
52) Toluene	10.334	92	82187	18.902	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	41570	18.943	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	49449	18.637	ug/l #	83
55) 1,1,2-Trichloroethane	10.728	97	24129	19.565	ug/l	97
56) Ethyl methacrylate	10.598	69	19511	17.947	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	40774	19.181	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	52431	84.570	ug/l	95
59) 2-Hexanone	10.922	43	67379	92.960	ug/l	86
60) Dibromochloromethane	11.075	129	29630	19.955	ug/l	95
61) 1,2-Dibromoethane	11.175	107	22565	19.438	ug/l	97
64) Tetrachloroethene	10.810	164	27434	18.695	ug/l	92
65) Chlorobenzene	11.604	112	89838	17.895	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	30911	18.618	ug/l	97
67) Ethyl Benzene	11.681	91	149588	17.996	ug/l	97
68) m/p-Xylenes	11.792	106	119703	37.648	ug/l	91
69) o-Xylene	12.122	106	54989	18.766	ug/l	91
70) Styrene	12.133	104	83307	19.119	ug/l	94
71) Bromoform	12.298	173	16630	19.170	ug/l #	95
73) Isopropylbenzene	12.422	105	146916	18.694	ug/l	98
74) N-amyl acetate	12.233	43	27350	17.704	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.669	83	27209	19.856	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	17117m	19.007	ug/l	
77) Bromobenzene	12.698	156	34546	18.689	ug/l	91
78) n-propylbenzene	12.763	91	181624	18.966	ug/l	97
79) 2-Chlorotoluene	12.845	91	98462	19.186	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	125988	19.221	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	8666	19.497	ug/l	93
82) 4-Chlorotoluene	12.945	91	104040	19.392	ug/l	95
83) tert-Butylbenzene	13.163	119	109700	19.824	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	125843	19.196	ug/l	96
85) sec-Butylbenzene	13.345	105	156639	19.150	ug/l	96
86) p-Isopropyltoluene	13.457	119	135352	18.482	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	71607	18.943	ug/l	97
88) 1,4-Dichlorobenzene	13.533	146	70525	17.653	ug/l	97
89) n-Butylbenzene	13.786	91	131382	19.066	ug/l	99
90) Hexachloroethane	14.051	117	27601	20.494	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	62681	19.497	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3795	18.501	ug/l	95
93) 1,2,4-Trichlorobenzene	15.092	180	39122	17.815	ug/l	96
94) Hexachlorobutadiene	15.204	225	22229	18.772	ug/l	97
95) Naphthalene	15.327	128	66147	18.129	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	33458	18.481	ug/l	96

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

