

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102623\
 Data File : VD077429.D
 Acq On : 26 Oct 2023 15:22
 Operator : JC/SY
 Sample : VD1026SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 07:47:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	273025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	454867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	372572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	187348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	102649	42.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.200%		
35) Dibromofluoromethane	7.805	113	136655	42.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.520%		
50) Toluene-d8	10.269	98	454126	39.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	79.360%		
62) 4-Bromofluorobenzene	12.569	95	125369	38.055	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	76.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	38639	15.223	ug/l	93
3) Chloromethane	2.152	50	82837	16.026	ug/l	96
4) Vinyl Chloride	2.287	62	105273	17.242	ug/l	98
5) Bromomethane	2.687	94	66358	16.912	ug/l	100
6) Chloroethane	2.834	64	70951	16.530	ug/l	98
7) Trichlorofluoromethane	3.175	101	84744	13.682	ug/l	95
8) Diethyl Ether	3.593	74	22692	13.669	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	48944	15.274	ug/l	98
10) Methyl Iodide	4.164	142	50643	12.916	ug/l	93
11) Tert butyl alcohol	5.052	59	13644	99.487	ug/l #	73
12) 1,1-Dichloroethene	3.940	96	44672	14.211	ug/l	88
13) Acrolein	3.793	56	23172	97.333	ug/l	97
14) Allyl chloride	4.564	41	47418	15.898	ug/l	98
15) Acrylonitrile	5.252	53	49170	97.739	ug/l	97
16) Acetone	4.022	43	45737	85.552	ug/l	93
17) Carbon Disulfide	4.264	76	127671	13.816	ug/l #	94
18) Methyl Acetate	4.564	43	32041	17.221	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	95836	17.899	ug/l	97
20) Methylene Chloride	4.793	84	74403	20.146	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	53845	16.468	ug/l	97
22) Diisopropyl ether	6.210	45	113495	19.384	ug/l	94
23) Vinyl Acetate	6.152	43	268473m	97.843	ug/l	
24) 1,1-Dichloroethane	6.110	63	86631	17.795	ug/l	97
25) 2-Butanone	7.081	43	56342	101.596	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	78702	17.730	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	60795	16.583	ug/l	99
28) Bromochloromethane	7.434	49	38326	21.552	ug/l	93
29) Tetrahydrofuran	7.440	42	44768	139.942	ug/l	96
30) Chloroform	7.593	83	122119	21.864	ug/l	97
31) Cyclohexane	7.875	56	67409	17.771	ug/l #	96
32) 1,1,1-Trichloroethane	7.793	97	97973	20.332	ug/l	95
36) 1,1-Dichloropropene	8.005	75	72321	17.223	ug/l	99
37) Ethyl Acetate	7.163	43	24972	18.933	ug/l	97
38) Carbon Tetrachloride	7.987	117	79610	17.043	ug/l #	96
39) Methylcyclohexane	9.269	83	79148	15.513	ug/l	93
40) Benzene	8.246	78	221651	17.394	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	11500	18.269	ug/l #	82
42) 1,2-Dichloroethane	8.328	62	54609	18.194	ug/l	100
43) Isopropyl Acetate	8.357	43	45172	19.024	ug/l	98
44) Trichloroethene	9.028	130	62785	16.852	ug/l	91
45) 1,2-Dichloropropane	9.304	63	52758	17.961	ug/l	96
46) Dibromomethane	9.393	93	32169	17.517	ug/l	98
47) Bromodichloromethane	9.581	83	82704	18.887	ug/l #	95
48) Methyl methacrylate	9.381	41	20226	18.829	ug/l	91
49) 1,4-Dioxane	9.387	88	6696	394.378	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	114947	96.570	ug/l	98
52) Toluene	10.334	92	134530	16.170	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	67360	17.137	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	79052	16.438	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	43687	17.176	ug/l	95
56) Ethyl methacrylate	10.598	69	41664	17.140	ug/l	99
57) 1,3-Dichloropropane	10.881	76	68136	17.439	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	102563	85.321	ug/l	100
59) 2-Hexanone	10.922	43	85680	100.223	ug/l	94
60) Dibromochloromethane	11.075	129	54085	16.653	ug/l	99
61) 1,2-Dibromoethane	11.181	107	41288	17.227	ug/l	97
64) Tetrachloroethene	10.810	164	45804	16.540	ug/l	95
65) Chlorobenzene	11.604	112	147591	18.174	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	54847	17.767	ug/l	98
67) Ethyl Benzene	11.681	91	239757	17.810	ug/l	99
68) m/p-Xylenes	11.793	106	197715	35.766	ug/l	96
69) o-Xylene	12.122	106	87452	17.185	ug/l	95
70) Styrene	12.134	104	158785	18.288	ug/l	98
71) Bromoform	12.298	173	31609	18.679	ug/l #	100
73) Isopropylbenzene	12.422	105	229249	18.500	ug/l	97
74) N-amyl acetate	12.234	43	38773	21.750	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	48168	21.390	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	37404m	16.640	ug/l	
77) Bromobenzene	12.698	156	57445	17.657	ug/l	93
78) n-propylbenzene	12.763	91	288323	19.319	ug/l	97
79) 2-Chlorotoluene	12.851	91	157797	19.412	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	194444	19.014	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	14915	21.332	ug/l	98
82) 4-Chlorotoluene	12.945	91	167670	19.812	ug/l	97
83) tert-Butylbenzene	13.169	119	170525	18.809	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	197459	19.178	ug/l	97
85) sec-Butylbenzene	13.345	105	261279	19.151	ug/l	95
86) p-Isopropyltoluene	13.463	119	209607	17.685	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	121879	17.801	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	124437	18.341	ug/l	98
89) n-Butylbenzene	13.787	91	194176	18.815	ug/l	97
90) Hexachloroethane	14.057	117	47565	19.854	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	108795	18.811	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6544	23.743	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	62964	17.473	ug/l	98
94) Hexachlorobutadiene	15.204	225	33676	16.455	ug/l	99
95) Naphthalene	15.334	128	107447	17.660	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	55353	17.697	ug/l	100

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

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