

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080226.D
 Acq On : 03 Feb 2025 14:15
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020325

Quant Time: Feb 04 05:44:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:44:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
 Supervised By :Semsettin Yesilyurt 02/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	140800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	231086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	239624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	113817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	87110	47.561	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.120%		
35) Dibromofluoromethane	7.810	113	80498	49.151	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.300%		
50) Toluene-d8	10.269	98	347282	57.179	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	114.360%		
62) 4-Bromofluorobenzene	12.575	95	115056	59.040	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	118.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	59958	42.038	ug/l	96
3) Chloromethane	2.152	50	125607	42.825	ug/l	95
4) Vinyl Chloride	2.281	62	153005	43.121	ug/l	95
5) Bromomethane	2.687	94	102801	48.530	ug/l	98
6) Chloroethane	2.834	64	102471	43.359	ug/l	96
7) Trichlorofluoromethane	3.169	101	119713	40.712	ug/l	99
8) Diethyl Ether	3.593	74	36591	45.487	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.963	101	70571	41.460	ug/l	99
10) Methyl Iodide	4.163	142	76290	52.063	ug/l	98
11) Tert butyl alcohol	5.069	59	23918	236.412	ug/l #	91
12) 1,1-Dichloroethene	3.940	96	71158	44.133	ug/l	97
13) Acrolein	3.799	56	54078	283.488	ug/l	99
14) Allyl chloride	4.558	41	118027	47.500	ug/l	99
15) Acrylonitrile	5.263	53	91551	236.882	ug/l	100
16) Acetone	4.028	43	69875	236.724	ug/l	95
17) Carbon Disulfide	4.269	76	264995	45.569	ug/l	98
18) Methyl Acetate	4.563	43	49526	49.726	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	171912	48.429	ug/l	99
20) Methylene Chloride	4.805	84	91275	45.568	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	82265	44.910	ug/l	97
22) Diisopropyl ether	6.216	45	263504	50.957	ug/l	98
23) Vinyl Acetate	6.157	43	790188	264.678	ug/l	100
24) 1,1-Dichloroethane	6.110	63	163703	48.292	ug/l	96
25) 2-Butanone	7.087	43	103332	225.695	ug/l	98
26) 2,2-Dichloropropane	7.075	77	122537	41.677	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	89167	43.089	ug/l	98
28) Bromochloromethane	7.428	49	78077	50.472	ug/l #	98
29) Tetrahydrofuran	7.446	42	74802	249.446	ug/l	99
30) Chloroform	7.599	83	159982	46.161	ug/l	98
31) Cyclohexane	7.881	56	116390	42.891	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	127321	43.910	ug/l	99
36) 1,1-Dichloropropene	8.010	75	105785	45.096	ug/l	99
37) Ethyl Acetate	7.175	43	56117	48.785	ug/l	99
38) Carbon Tetrachloride	7.993	117	111248	45.403	ug/l	92
39) Methylcyclohexane	9.275	83	119579	46.921	ug/l	91
40) Benzene	8.251	78	346570	47.134	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	33973m	53.656	ug/l	
42) 1,2-Dichloroethane	8.328	62	102556	49.014	ug/l	100
43) Isopropyl Acetate	8.363	43	109229	53.505	ug/l	99
44) Trichloroethene	9.028	130	78494	46.210	ug/l	98
45) 1,2-Dichloropropane	9.304	63	83713	45.264	ug/l	97
46) Dibromomethane	9.393	93	46152	44.791	ug/l	97
47) Bromodichloromethane	9.587	83	116932	45.001	ug/l	95
48) Methyl methacrylate	9.387	41	44821	47.445	ug/l	91
49) 1,4-Dioxane	9.387	88	9669	862.596	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	289217	280.172	ug/l	100
52) Toluene	10.334	92	226477	52.658	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	119266	53.843	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	141719	52.597	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	67394	50.338	ug/l	95
56) Ethyl methacrylate	10.598	69	87932	57.561	ug/l	98
57) 1,3-Dichloropropane	10.881	76	116923	52.800	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	197752	303.294	ug/l	100
59) 2-Hexanone	10.922	43	196117	289.521	ug/l	100
60) Dibromochloromethane	11.075	129	83325	50.493	ug/l	97
61) 1,2-Dibromoethane	11.181	107	62427	51.198	ug/l	98
64) Tetrachloroethene	10.810	164	73174	43.714	ug/l	95
65) Chlorobenzene	11.610	112	242354	44.123	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	82629	43.002	ug/l	97
67) Ethyl Benzene	11.687	91	429646	47.022	ug/l	99
68) m/p-Xylenes	11.792	106	330064	93.049	ug/l	99
69) o-Xylene	12.122	106	150955	46.667	ug/l	98
70) Styrene	12.134	104	271437	47.142	ug/l	99
71) Bromoform	12.298	173	48677	42.973	ug/l #	99
73) Isopropylbenzene	12.422	105	394911	51.297	ug/l	99
74) N-amyl acetate	12.234	43	110956	54.829	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	79326	49.518	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	54217m	47.094	ug/l	
77) Bromobenzene	12.698	156	97556	49.127	ug/l	98
78) n-propylbenzene	12.763	91	496015	50.605	ug/l	99
79) 2-Chlorotoluene	12.851	91	284939	51.171	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	332449	51.636	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	30199	53.638	ug/l	98
82) 4-Chlorotoluene	12.945	91	306497	51.795	ug/l	99
83) tert-Butylbenzene	13.169	119	267135	50.753	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	318285	48.569	ug/l	99
85) sec-Butylbenzene	13.345	105	391554	48.654	ug/l	99
86) p-Isopropyltoluene	13.457	119	318735	46.383	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	177139	45.290	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	171071	43.214	ug/l	99
89) n-Butylbenzene	13.786	91	298208	44.657	ug/l	99
90) Hexachloroethane	14.051	117	63799	41.774	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	151591	43.986	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	10750	42.178	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	94581	43.053	ug/l	98
94) Hexachlorobutadiene	15.204	225	49682	41.757	ug/l	99
95) Naphthalene	15.333	128	168465	44.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	85104	42.927	ug/l	98

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

