

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050124\
 Data File : VD078863.D
 Acq On : 01 May 2024 17:37
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050124

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/02/2024
 Supervised By :Semsettin Yesilyurt 05/02/2024

Quant Time: May 08 19:43:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 19:40:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	138103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	234306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	221181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115235	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71182	46.437	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.880%
35) Dibromofluoromethane	7.799	113	83488	48.529	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.060%
50) Toluene-d8	10.269	98	317026	48.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.040%
62) 4-Bromofluorobenzene	12.569	95	92046	48.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.420%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	68829	44.088	ug/l	99
3) Chloromethane	2.146	50	117639	50.701	ug/l	96
4) Vinyl Chloride	2.281	62	183524	54.488	ug/l	95
5) Bromomethane	2.687	94	151083	44.954	ug/l	98
6) Chloroethane	2.834	64	142595	51.392	ug/l	98
7) Trichlorofluoromethane	3.170	101	124962	45.587	ug/l	95
8) Diethyl Ether	3.587	74	37314	49.923	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.964	101	76842	46.659	ug/l	99
10) Methyl Iodide	4.164	142	103455	52.544	ug/l	99
11) Tert butyl alcohol	5.052	59	16938	241.227	ug/l	99
12) 1,1-Dichloroethene	3.940	96	79002	48.382	ug/l	95
13) Acrolein	3.793	56	33464	246.757	ug/l	99
14) Allyl chloride	4.558	41	85289	52.034	ug/l	99
15) Acrylonitrile	5.252	53	74895	251.719	ug/l	97
16) Acetone	4.022	43	53229	232.863	ug/l	98
17) Carbon Disulfide	4.264	76	253221	46.894	ug/l	98
18) Methyl Acetate	4.558	43	27645	48.786	ug/l	96
19) Methyl tert-butyl Ether	5.317	73	168420	54.501	ug/l	98
20) Methylene Chloride	4.799	84	93732	47.884	ug/l	97
21) trans-1,2-Dichloroethene	5.305	96	90814	49.598	ug/l	89
22) Diisopropyl ether	6.211	45	196638	54.253	ug/l	98
23) Vinyl Acetate	6.152	43	597153	273.286	ug/l	98
24) 1,1-Dichloroethane	6.111	63	140129	48.022	ug/l	99
25) 2-Butanone	7.081	43	82984	258.862	ug/l	92
26) 2,2-Dichloropropane	7.075	77	119497	48.533	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	107080	51.200	ug/l	97
28) Bromochloromethane	7.422	49	55489	50.544	ug/l #	95
29) Tetrahydrofuran	7.440	42	51261	273.275	ug/l	94
30) Chloroform	7.593	83	155997	47.907	ug/l	97
31) Cyclohexane	7.875	56	102016	44.827	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	134443	48.953	ug/l	99
36) 1,1-Dichloropropene	8.005	75	107859	48.743	ug/l	99
37) Ethyl Acetate	7.169	43	36926	50.452	ug/l	99
38) Carbon Tetrachloride	7.987	117	119963	47.097	ug/l	99
39) Methylcyclohexane	9.275	83	134434	49.305	ug/l	92
40) Benzene	8.252	78	352979	48.709	ug/l	97

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41) Methacrylonitrile	7.411	41	22879	63.301	ug/l	89
42) 1,2-Dichloroethane	8.328	62	83256	48.665	ug/l	99
43) Isopropyl Acetate	8.363	43	70807	52.889	ug/l	99
44) Trichloroethene	9.028	130	88964	48.736	ug/l	97
45) 1,2-Dichloropropane	9.305	63	76340	48.036	ug/l	98
46) Dibromomethane	9.393	93	49816	49.237	ug/l	98
47) Bromodichloromethane	9.581	83	123055	49.118	ug/l	92
48) Methyl methacrylate	9.381	41	31747	50.591	ug/l	92
49) 1,4-Dioxane	9.387	88	10359	1121.968	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	188101	262.378	ug/l	98
52) Toluene	10.334	92	228480	50.196	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	107389	51.121	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	131024	51.641	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	64007	48.774	ug/l	95
56) Ethyl methacrylate	10.593	69	75478	55.976	ug/l	96
57) 1,3-Dichloropropane	10.875	76	103193	49.726	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	162801	276.504	ug/l	99
59) 2-Hexanone	10.916	43	130381	256.853	ug/l	95
60) Dibromochloromethane	11.069	129	87895	49.415	ug/l	99
61) 1,2-Dibromoethane	11.175	107	62656	51.482	ug/l	99
64) Tetrachloroethene	10.810	164	77312	51.246	ug/l	97
65) Chlorobenzene	11.604	112	255574	50.349	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	87047	49.038	ug/l	99
67) Ethyl Benzene	11.681	91	425314	51.225	ug/l	97
68) m/p-Xylenes	11.793	106	355357	105.705	ug/l	97
69) o-Xylene	12.122	106	162479	52.865	ug/l	100
70) Styrene	12.134	104	291424	53.926	ug/l	98
71) Bromoform	12.299	173	50188	52.220	ug/l #	96
73) Isopropylbenzene	12.416	105	404412	52.064	ug/l	99
74) N-amyl acetate	12.234	43	69688	53.934	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	72002	49.474	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	52819m	55.095	ug/l	
77) Bromobenzene	12.698	156	100071	50.144	ug/l	98
78) n-propylbenzene	12.763	91	486983	51.732	ug/l	99
79) 2-Chlorotoluene	12.846	91	270752	51.531	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	337377	52.305	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	24909	50.765	ug/l	99
82) 4-Chlorotoluene	12.946	91	282098	50.346	ug/l	100
83) tert-Butylbenzene	13.163	119	295358	53.199	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	348981	52.858	ug/l	98
85) sec-Butylbenzene	13.345	105	433204	51.383	ug/l	100
86) p-Isopropyltoluene	13.457	119	385156	52.715	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	213278	51.030	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	204155	49.345	ug/l	99
89) n-Butylbenzene	13.787	91	342642	52.603	ug/l	99
90) Hexachloroethane	14.051	117	74749	47.819	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	180693	50.516	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9667	48.789	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	108111	54.406	ug/l	97
94) Hexachlorobutadiene	15.204	225	52344	51.421	ug/l	97
95) Naphthalene	15.328	128	200311	55.952	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	94802	53.853	ug/l	96

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

