

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066060.D
 Acq On : 24 Jul 2020 21:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:03:49 PM

Quant Time: Jul 25 01:04:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	259992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	399536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	382913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	123101	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	
35) Dibromofluoromethane	7.91	113	131336	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	10.34	98	491265	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
62) 4-Bromofluorobenzene	12.64	95	177142	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76982	39.016	ug/l	95
3) Chloromethane	2.20	50	68862	42.767	ug/l	97
4) Vinyl Chloride	2.35	62	66240	43.199	ug/l	100
5) Bromomethane	2.77	94	51931	47.951	ug/l	99
6) Chloroethane	2.93	64	44566	48.688	ug/l	92
7) Trichlorofluoromethane	3.27	101	168784	45.255	ug/l	100
8) Diethyl Ether	3.71	74	52620	51.042	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97789	43.423	ug/l	98
10) Methyl Iodide	4.30	142	119305	52.014	ug/l	96
11) Tert butyl alcohol	5.21	59	32340	242.131	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	96747	45.006	ug/l	99
13) Acrolein	3.93	56	39836	223.499	ug/l	99
14) Allyl chloride	4.71	41	159761	47.544	ug/l	93
15) Acrylonitrile	5.41	53	113377	257.425	ug/l	97
16) Acetone	4.15	43	85467	199.590	ug/l	93
17) Carbon Disulfide	4.40	76	303438	43.517	ug/l	99
18) Methyl Acetate	4.71	43	48736	48.924	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	242391	54.881	ug/l	97
20) Methylene Chloride	4.96	84	130978	55.652	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	123648	50.894	ug/l	96
22) Diisopropyl ether	6.36	45	335103	52.492	ug/l	98
23) Vinyl Acetate	6.30	43	953124	264.732	ug/l #	92
24) 1,1-Dichloroethane	6.27	63	202915	52.459	ug/l	100
25) 2-Butanone	7.21	43	129782	228.408	ug/l	93
26) 2,2-Dichloropropane	7.20	77	156970	45.127	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	138060	53.671	ug/l	97
28) Bromochloromethane	7.55	49	91455	55.707	ug/l	93
29) Tetrahydrofuran	7.56	42	85218	243.074	ug/l	95
30) Chloroform	7.71	83	220953	54.608	ug/l	99
31) Cyclohexane	7.98	56	150652	39.588	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	191368	51.131	ug/l	99
36) 1,1-Dichloropropene	8.11	75	154644	45.352	ug/l	99
37) Ethyl Acetate	7.30	43	65402	50.223	ug/l	98
38) Carbon Tetrachloride	8.10	117	174518	47.169	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173898	42.113	ug/l	99
40) Benzene	8.36	78	464216	48.662	ug/l	97
41) Methacrylonitrile	7.52	41	32761m	43.916	ug/l	
42) 1,2-Dichloroethane	8.43	62	139066	53.199	ug/l	97
43) Isopropyl Acetate	8.45	43	126137	49.593	ug/l	97
44) Trichloroethene	9.11	130	142804	49.468	ug/l	93
45) 1,2-Dichloropropane	9.39	63	116428	50.393	ug/l	99
46) Dibromomethane	9.48	93	65895	52.980	ug/l	96
47) Bromodichloromethane	9.66	83	172385	52.418	ug/l	97
48) Methyl methacrylate	9.46	41	59726	46.553	ug/l	87
49) 1,4-Dioxane	9.47	88	12989	901.407	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	317749	247.947	ug/l	98
52) Toluene	10.41	92	322609	51.857	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	161368	52.668	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	188861	50.852	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	92446	52.408	ug/l	95
56) Ethyl methacrylate	10.67	69	111320	54.279	ug/l	98
57) 1,3-Dichloropropane	10.95	76	150916	51.681	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	245388	250.468	ug/l	100
59) 2-Hexanone	10.99	43	215535	242.699	ug/l	97
60) Dibromochloromethane	11.14	129	128348	53.964	ug/l	99
61) 1,2-Dibromoethane	11.25	107	89448	52.592	ug/l	99
64) Tetrachloroethene	10.88	164	127321	48.989	ug/l	98
65) Chlorobenzene	11.67	112	350510	49.995	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	141151	54.525	ug/l	98
67) Ethyl Benzene	11.75	91	604513	50.104	ug/l	98
68) m/p-Xylenes	11.86	106	475045	102.438	ug/l	99
69) o-Xylene	12.18	106	223714	53.040	ug/l	99
70) Styrene	12.20	104	391631	54.041	ug/l	99
71) Bromoform	12.36	173	80765	53.262	ug/l #	100
73) Isopropylbenzene	12.48	105	588934	47.452	ug/l	100
74) N-amyl acetate	12.30	43	124241	48.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	96318	46.959	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	59245m	38.362	ug/l	
77) Bromobenzene	12.77	156	160382	50.564	ug/l	94
78) n-propylbenzene	12.83	91	677547	47.045	ug/l	99
79) 2-Chlorotoluene	12.91	91	402386	48.905	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	500731	49.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31403	46.659	ug/l	95
82) 4-Chlorotoluene	13.01	91	422949	48.701	ug/l	99
83) tert-Butylbenzene	13.23	119	446443	50.034	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	514775	51.171	ug/l	98
85) sec-Butylbenzene	13.41	105	581208	47.290	ug/l	98
86) p-Isopropyltoluene	13.52	119	560379	50.188	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	292302	49.636	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	287559	48.303	ug/l	100
89) n-Butylbenzene	13.85	91	481752	46.402	ug/l	99
90) Hexachloroethane	14.12	117	111064	48.050	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	257001	50.363	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16159	48.070	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	182134	49.724	ug/l	99
94) Hexachlorobutadiene	15.27	225	104332	46.073	ug/l	96
95) Naphthalene	15.41	128	305001	47.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	164477	51.653	ug/l	99

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

