

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065726.D
 Acq On : 13 May 2020 12:00
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: May 13 14:01:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 13:42:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	511352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	17407	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	
35) Dibromofluoromethane	7.91	113	17847	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
50) Toluene-d8	10.34	98	69528	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.64	95	23477	4.94	ug/l	0.00
Spiked Amount			Recovery	=	9.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	15205	5.063	ug/l	96
3) Chloromethane	2.21	50	21602	5.609	ug/l	100
4) Vinyl Chloride	2.35	62	21920	5.578	ug/l	98
5) Bromomethane	2.77	94	15409	6.160	ug/l	89
6) Chloroethane	2.92	64	13917	5.471	ug/l	98
7) Trichlorofluoromethane	3.27	101	29913	4.859	ug/l	96
8) Diethyl Ether	3.71	74	7805	4.084	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.10	101	18033	4.827	ug/l	98
10) Methyl Iodide	4.29	142	15789	4.277	ug/l	96
11) Tert butyl alcohol	5.20	59	17409	51.057	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	16700	4.558	ug/l	95
13) Acrolein	3.92	56	6130	20.286	ug/l	98
14) Allyl chloride	4.72	41	30109	4.199	ug/l	98
15) Acrylonitrile	5.42	53	17984	20.265	ug/l	97
16) Acetone	4.17	43	18241	22.951	ug/l #	85
17) Carbon Disulfide	4.41	76	55892	4.688	ug/l	97
18) Methyl Acetate	4.72	43	10483	5.274	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	39676	4.525	ug/l	91
20) Methylene Chloride	4.96	84	22733	5.522	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	20537	4.888	ug/l	86
22) Diisopropyl ether	6.36	45	55216	4.148	ug/l	95
23) Vinyl Acetate	6.31	43	150751m	18.815	ug/l	
24) 1,1-Dichloroethane	6.26	63	32569	4.414	ug/l	99
25) 2-Butanone	7.22	43	25626	21.672	ug/l	94
26) 2,2-Dichloropropane	7.21	77	31636	4.738	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	21915	4.821	ug/l	98
28) Bromochloromethane	7.56	49	12581	4.085	ug/l	92
29) Tetrahydrofuran	7.57	42	15540	20.347	ug/l	96
30) Chloroform	7.71	83	32787	4.590	ug/l	96
31) Cyclohexane	7.98	56	38260	5.020	ug/l #	77
32) 1,1,1-Trichloroethane	7.90	97	30384	4.570	ug/l	97
36) 1,1-Dichloropropene	8.11	75	27403	4.890	ug/l	98
37) Ethyl Acetate	7.30	43	11565	4.378	ug/l #	94
38) Carbon Tetrachloride	8.10	117	28963	5.159	ug/l	96

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: May 13 14:01:34 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	35695	5.081	ug/l	97
40) Benzene	8.36	78	74204	4.842	ug/l	99
41) Methacrylonitrile	7.53	41	7239	4.690	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	20154	4.583	ug/l	97
43) Isopropyl Acetate	8.46	43	22953	4.343	ug/l	99
44) Trichloroethene	9.11	130	22366	5.229	ug/l	96
45) 1,2-Dichloropropane	9.39	63	17718	4.507	ug/l	99
46) Dibromomethane	9.47	93	9708	4.878	ug/l	97
47) Bromodichloromethane	9.67	83	25137	4.723	ug/l	93
48) Methyl methacrylate	9.46	41	9043	3.424	ug/l #	85
49) 1,4-Dioxane	9.46	88	2342	96.863	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	53254	20.897	ug/l	100
52) Toluene	10.41	92	47715	4.897	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	24362	4.551	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	28307	4.464	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	13001	4.847	ug/l	92
56) Ethyl methacrylate	10.67	69	16329	4.264	ug/l	92
57) 1,3-Dichloropropane	10.95	76	23043	4.796	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	40558	22.885	ug/l	99
59) 2-Hexanone	10.98	43	36863	21.113	ug/l	98
60) Dibromochloromethane	11.14	129	16959	4.669	ug/l	98
61) 1,2-Dibromoethane	11.25	107	13298	4.927	ug/l	100
64) Tetrachloroethene	10.88	164	19931	5.536	ug/l	92
65) Chlorobenzene	11.67	112	51546	5.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	19127	5.057	ug/l	99
67) Ethyl Benzene	11.75	91	90334	4.797	ug/l	97
68) m/p-Xylenes	11.86	106	68719	9.751	ug/l	97
69) o-Xylene	12.18	106	32247	4.902	ug/l	96
70) Styrene	12.20	104	53240	4.718	ug/l	99
71) Bromoform	12.36	173	9522	4.469	ug/l #	92
73) Isopropylbenzene	12.48	105	88537	4.786	ug/l	100
74) N-amyl acetate	12.30	43	19403	3.777	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	13999	4.550	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	8707m	4.206	ug/l	
77) Bromobenzene	12.77	156	21002	4.912	ug/l	98
78) n-propylbenzene	12.83	91	105521	4.859	ug/l	98
79) 2-Chlorotoluene	12.91	91	57006	4.652	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	72815	4.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	4841	4.211	ug/l	93
82) 4-Chlorotoluene	13.01	91	61697	4.805	ug/l	98
83) tert-Butylbenzene	13.23	119	65292	5.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	72227	4.778	ug/l	100
85) sec-Butylbenzene	13.41	105	88642	4.901	ug/l	99
86) p-Isopropyltoluene	13.52	119	80591	4.873	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	40686	5.075	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	41659	5.256	ug/l	96
89) n-Butylbenzene	13.85	91	77045	4.836	ug/l	99
90) Hexachloroethane	14.12	117	16043	4.886	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	34582	5.001	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2432	4.749	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26855	5.177	ug/l	99
94) Hexachlorobutadiene	15.28	225	16204	5.371	ug/l	99
95) Naphthalene	15.41	128	43135	4.768	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	22243	5.041	ug/l	97

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

