

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065635.D
 Acq On : 15 Apr 2020 15:04
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:34 PM

Quant Time: Apr 15 19:03:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	329712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	41557	17.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.68%	
35) Dibromofluoromethane	7.92	113	42630	17.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.66%	
50) Toluene-d8	10.34	98	160113	18.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.80%	
62) 4-Bromofluorobenzene	12.64	95	52235	18.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	38546	17.464	ug/l	98
3) Chloromethane	2.21	50	44355	16.464	ug/l	100
4) Vinyl Chloride	2.35	62	48707	19.092	ug/l	97
5) Bromomethane	2.75	94	25061	14.379	ug/l	95
6) Chloroethane	2.91	64	29592	18.840	ug/l	99
7) Trichlorofluoromethane	3.27	101	69560	18.073	ug/l	94
8) Diethyl Ether	3.70	74	14090	17.819	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31241	13.154	ug/l	100
10) Methyl Iodide	4.29	142	35481	15.214	ug/l	100
11) Tert butyl alcohol	5.24	59	11638	103.797	ug/l	97
12) 1,1-Dichloroethene	4.06	96	27826	12.745	ug/l	93
13) Acrolein	3.92	56	7995	51.241	ug/l	100
14) Allyl chloride	4.71	41	41001	12.648	ug/l	99
15) Acrylonitrile	5.43	53	43221	95.293	ug/l	99
16) Acetone	4.16	43	25710	63.673	ug/l	98
17) Carbon Disulfide	4.40	76	91644	12.623	ug/l	100
18) Methyl Acetate	4.72	43	15659	13.338	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	79631	18.520	ug/l	99
20) Methylene Chloride	4.96	84	32259	12.322	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	48743	19.640	ug/l	96
22) Diisopropyl ether	6.37	45	133520	19.771	ug/l	96
23) Vinyl Acetate	6.31	43	331992	92.169	ug/l	99
24) 1,1-Dichloroethane	6.26	63	82056	18.478	ug/l	98
25) 2-Butanone	7.22	43	51011	86.598	ug/l	95
26) 2,2-Dichloropropane	7.21	77	72079	18.223	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	50309	18.560	ug/l	98
28) Bromochloromethane	7.55	49	34078	18.886	ug/l	98
29) Tetrahydrofuran	7.57	42	33662	90.350	ug/l	98
30) Chloroform	7.71	83	85695	18.463	ug/l	100
31) Cyclohexane	7.98	56	77132	18.606	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	76609	18.351	ug/l	98
36) 1,1-Dichloropropene	8.11	75	67215	19.044	ug/l	99
37) Ethyl Acetate	7.30	43	26975	19.730	ug/l	97
38) Carbon Tetrachloride	8.10	117	72618	18.939	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75474	18.891	ug/l	97
40) Benzene	8.36	78	191757	18.958	ug/l	99
41) Methacrylonitrile	7.53	41	14035	18.117	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	52794	18.456	ug/l	99
43) Isopropyl Acetate	8.46	43	45440	18.453	ug/l	99
44) Trichloroethene	9.11	130	54667	18.919	ug/l	95
45) 1,2-Dichloropropane	9.39	63	48195	19.418	ug/l	99
46) Dibromomethane	9.48	93	24212	18.099	ug/l	99
47) Bromodichloromethane	9.67	83	64843	18.574	ug/l	94
48) Methyl methacrylate	9.46	41	21564	18.364	ug/l	96
49) 1,4-Dioxane	9.47	88	5231	359.537	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	114453	89.491	ug/l	100
52) Toluene	10.41	92	120900	18.964	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	57453	18.344	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	71452	18.760	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	35262	18.661	ug/l	98
56) Ethyl methacrylate	10.67	69	35516	18.559	ug/l	99
57) 1,3-Dichloropropane	10.95	76	57647	18.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	89296	89.636	ug/l	98
59) 2-Hexanone	10.99	43	77786	91.100	ug/l	97
60) Dibromochloromethane	11.14	129	45675	18.310	ug/l	98
61) 1,2-Dibromoethane	11.25	107	32423	18.042	ug/l	99
64) Tetrachloroethene	10.88	164	47983	18.731	ug/l	96
65) Chlorobenzene	11.67	112	131586	18.808	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	50470	18.958	ug/l	99
67) Ethyl Benzene	11.75	91	225135	19.533	ug/l	98
68) m/p-Xylenes	11.86	106	174891	38.597	ug/l	99
69) o-Xylene	12.18	106	74214	18.937	ug/l	98
70) Styrene	12.20	104	136685	19.705	ug/l	99
71) Bromoform	12.37	173	27880	18.331	ug/l #	96
73) Isopropylbenzene	12.48	105	206332	19.376	ug/l	99
74) N-amyl acetate	12.30	43	40192	18.398	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36094	18.009	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	29003m	20.590	ug/l	
77) Bromobenzene	12.77	156	54531	18.550	ug/l	99
78) n-propylbenzene	12.83	91	255213	19.824	ug/l	100
79) 2-Chlorotoluene	12.91	91	142915	19.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	177463	19.663	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12131	20.185	ug/l	98
82) 4-Chlorotoluene	13.01	91	156485	19.601	ug/l	100
83) tert-Butylbenzene	13.23	119	143707	19.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	180478	20.175	ug/l	100
85) sec-Butylbenzene	13.41	105	211274	19.700	ug/l	99
86) p-Isopropyltoluene	13.53	119	193928	19.610	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	107976	18.965	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107059	18.817	ug/l	97
89) n-Butylbenzene	13.85	91	176305	19.673	ug/l	99
90) Hexachloroethane	14.12	117	41804	19.310	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	93013	19.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5571	17.876	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	60417	18.812	ug/l	98
94) Hexachlorobutadiene	15.28	225	41914	18.824	ug/l	98
95) Naphthalene	15.41	128	83293	17.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	53890	19.159	ug/l	99

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

