

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066538.D
 Acq On : 03 Sep 2020 15:29
 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
 9/4/2020 4:54:54 PM

Quant Time: Sep 04 01:52:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	348149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	587625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	531519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	83854	22.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.12%	
35) Dibromofluoromethane	7.91	113	77046	21.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.84%	
50) Toluene-d8	10.34	98	278710	21.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.48%	
62) 4-Bromofluorobenzene	12.63	95	93060	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73351	24.599	ug/l	91
3) Chloromethane	2.21	50	94900	44.008	ug/l	94
4) Vinyl Chloride	2.34	62	104104	40.425	ug/l	96
5) Bromomethane	2.76	94	72509	35.792	ug/l #	73
6) Chloroethane	2.92	64	67068	39.324	ug/l	94
7) Trichlorofluoromethane	3.27	101	153631	23.108	ug/l	100
8) Diethyl Ether	3.70	74	37476	28.106	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	83817	28.698	ug/l	97
10) Methyl Iodide	4.30	142	58752	19.170	ug/l	99
11) Tert butyl alcohol	5.20	59	36283	132.700	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	73971	27.341	ug/l	99
13) Acrolein	3.91	56	18115	143.715	ug/l	91
14) Allyl chloride	4.71	41	120701	36.337	ug/l	99
15) Acrylonitrile	5.43	53	81714	164.068	ug/l	99
16) Acetone	4.16	43	75423	129.898	ug/l	98
17) Carbon Disulfide	4.40	76	243190	30.150	ug/l	98
18) Methyl Acetate	4.71	43	37707	36.860	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	168334	24.159	ug/l	92
20) Methylene Chloride	4.96	84	105607	30.581	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88729	28.212	ug/l	89
22) Diisopropyl ether	6.36	45	255620	37.694	ug/l	99
23) Vinyl Acetate	6.31	43	691877	163.056	ug/l	98
24) 1,1-Dichloroethane	6.26	63	158072	31.679	ug/l	98
25) 2-Butanone	7.21	43	103648	161.538	ug/l	99
26) 2,2-Dichloropropane	7.20	77	139915	23.821	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	90491	26.640	ug/l	95
28) Bromochloromethane	7.54	49	57788	37.055	ug/l	99
29) Tetrahydrofuran	7.56	42	66608	190.491	ug/l	99
30) Chloroform	7.70	83	166167	27.107	ug/l	95
31) Cyclohexane	7.98	56	140084	31.637	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	153389	23.297	ug/l	97
36) 1,1-Dichloropropene	8.11	75	126132	23.943	ug/l	99
37) Ethyl Acetate	7.29	43	51640	30.496	ug/l	97
38) Carbon Tetrachloride	8.08	117	135404	17.975	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	136450	22.079	ug/l	98
40) Benzene	8.34	78	346508	25.274	ug/l	96
41) Methacrylonitrile	7.52	41	23000m	25.534	ug/l	
42) 1,2-Dichloroethane	8.42	62	111085	20.098	ug/l	98
43) Isopropyl Acetate	8.45	43	92193	26.692	ug/l	99
44) Trichloroethene	9.10	130	88757	19.685	ug/l	96
45) 1,2-Dichloropropane	9.38	63	87677	30.562	ug/l	95
46) Dibromomethane	9.47	93	49261	25.002	ug/l	94
47) Bromodichloromethane	9.66	83	125799	21.813	ug/l	97
48) Methyl methacrylate	9.45	41	45208	25.649	ug/l	97
49) 1,4-Dioxane	9.47	88	10550	462.710	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	234911	144.994	ug/l	97
52) Toluene	10.40	92	219255	22.923	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	112633	21.512	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	134629	23.821	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	61100	24.496	ug/l	97
56) Ethyl methacrylate	10.66	69	67599	22.719	ug/l	98
57) 1,3-Dichloropropane	10.94	76	106986	25.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	181156	151.175	ug/l	98
59) 2-Hexanone	10.98	43	155926	134.155	ug/l	99
60) Dibromochloromethane	11.14	129	79233	19.933	ug/l	98
61) 1,2-Dibromoethane	11.24	107	58111	22.821	ug/l	98
64) Tetrachloroethene	10.87	164	76121	18.918	ug/l	89
65) Chlorobenzene	11.67	112	223855	21.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85515	19.662	ug/l	99
67) Ethyl Benzene	11.74	91	410108	22.059	ug/l	98
68) m/p-Xylenes	11.85	106	309475	43.096	ug/l	99
69) o-Xylene	12.18	106	141202	20.889	ug/l	95
70) Styrene	12.19	104	241175	20.824	ug/l	100
71) Bromoform	12.36	173	42164	18.009	ug/l #	97
73) Isopropylbenzene	12.48	105	377219	22.062	ug/l	100
74) N-amyl acetate	12.29	43	84422	29.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	64771	29.433	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	53082m	30.429	ug/l	
77) Bromobenzene	12.76	156	83513	19.729	ug/l	97
78) n-propylbenzene	12.82	91	461792	24.205	ug/l	99
79) 2-Chlorotoluene	12.91	91	263841	24.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	324664	21.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20872	27.664	ug/l	94
82) 4-Chlorotoluene	13.01	91	281418	24.013	ug/l	99
83) tert-Butylbenzene	13.23	119	258392	20.165	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	331624	22.476	ug/l	97
85) sec-Butylbenzene	13.40	105	377322	22.631	ug/l	99
86) p-Isopropyltoluene	13.52	119	342187	20.896	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	167468	21.110	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	169224	21.182	ug/l	98
89) n-Butylbenzene	13.85	91	325335	23.145	ug/l	99
90) Hexachloroethane	14.12	117	73050	24.147	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	143870	20.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10977	20.894	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87490	16.760	ug/l	98
94) Hexachlorobutadiene	15.27	225	52343	15.621	ug/l	98
95) Naphthalene	15.41	128	142881	17.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74531	16.474	ug/l	98

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

