

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065527.D
 Acq On : 26 Mar 2020 16:06
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:12:14 AM

Quant Time: Mar 27 01:42:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	521893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	783817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	719188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	41571	9.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.70%	
35) Dibromofluoromethane	7.92	113	44605	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	
50) Toluene-d8	10.34	98	163040	8.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.68%	
62) 4-Bromofluorobenzene	12.64	95	50739	8.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.76%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	38681	9.112	ug/l	100
3) Chloromethane	2.21	50	50210	9.572	ug/l	100
4) Vinyl Chloride	2.35	62	50733	9.772	ug/l	100
5) Bromomethane	2.77	94	37555	11.085	ug/l	99
6) Chloroethane	2.93	64	32358	10.085	ug/l	97
7) Trichlorofluoromethane	3.27	101	75912	9.855	ug/l	95
8) Diethyl Ether	3.70	74	22628	9.755	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	48358	9.679	ug/l	96
10) Methyl Iodide	4.29	142	50111	9.543	ug/l	99
11) Tert butyl alcohol	5.26	59	12858	50.413	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	45913	9.626	ug/l	87
13) Acrolein	3.93	56	18885	42.240	ug/l	96
14) Allyl chloride	4.71	41	67048	9.179	ug/l	98
15) Acrylonitrile	5.43	53	43429	43.289	ug/l	99
16) Acetone	4.17	43	42774	47.877	ug/l	98
17) Carbon Disulfide	4.40	76	154007	9.732	ug/l	98
18) Methyl Acetate	4.73	43	20027	8.809	ug/l #	72
19) Methyl tert-butyl Ether	5.48	73	80566	8.715	ug/l	93
20) Methylene Chloride	4.97	84	73467	13.192	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	51965	9.774	ug/l	93
22) Diisopropyl ether	6.37	45	126395	9.231	ug/l	95
23) Vinyl Acetate	6.31	43	317995	41.895	ug/l	99
24) 1,1-Dichloroethane	6.27	63	85067	9.723	ug/l	98
25) 2-Butanone	7.23	43	51732	42.438	ug/l	98
26) 2,2-Dichloropropane	7.21	77	75245	9.786	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	52800	9.698	ug/l	99
28) Bromochloromethane	7.55	49	35135	9.931	ug/l	100
29) Tetrahydrofuran	7.57	42	32687	41.998	ug/l	96
30) Chloroform	7.71	83	87924	10.012	ug/l	98
31) Cyclohexane	7.99	56	83478	9.580	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	77661	9.585	ug/l	97
36) 1,1-Dichloropropene	8.11	75	68501	9.254	ug/l	100
37) Ethyl Acetate	7.30	43	26315	9.141	ug/l	100
38) Carbon Tetrachloride	8.10	117	73571	9.553	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75593	8.492	ug/l	96
40) Benzene	8.36	78	198013	9.548	ug/l	98
41) Methacrylonitrile	7.54	41	12430	7.973	ug/l #	39
42) 1,2-Dichloroethane	8.43	62	53423	9.802	ug/l	98
43) Isopropyl Acetate	8.46	43	44787	8.450	ug/l	98
44) Trichloroethene	9.11	130	57589	9.808	ug/l	100
45) 1,2-Dichloropropane	9.39	63	47717	9.481	ug/l	95
46) Dibromomethane	9.48	93	25013	9.567	ug/l	99
47) Bromodichloromethane	9.66	83	67045	9.854	ug/l	94
48) Methyl methacrylate	9.46	41	19381	7.745	ug/l	99
49) 1,4-Dioxane	9.47	88	4834	160.593	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	110525	41.302	ug/l	100
52) Toluene	10.41	92	121115	9.254	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	56997	8.955	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	71958	9.349	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	35765	9.605	ug/l	97
56) Ethyl methacrylate	10.67	69	32546	7.764	ug/l	94
57) 1,3-Dichloropropane	10.95	76	58966	9.370	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	83940	54.786	ug/l	99
59) 2-Hexanone	10.99	43	75168	40.692	ug/l	93
60) Dibromochloromethane	11.14	129	46798	9.786	ug/l	98
61) 1,2-Dibromoethane	11.25	107	34053	9.552	ug/l	98
64) Tetrachloroethene	10.88	164	51275	10.011	ug/l	86
65) Chlorobenzene	11.67	112	138420	9.799	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	49587	9.584	ug/l	100
67) Ethyl Benzene	11.75	91	216405	8.899	ug/l	98
68) m/p-Xylenes	11.86	106	172553	18.385	ug/l	99
69) o-Xylene	12.18	106	73638	8.915	ug/l	97
70) Styrene	12.20	104	128560	8.813	ug/l	100
71) Bromoform	12.37	173	27554	9.460	ug/l #	99
73) Isopropylbenzene	12.48	105	199451	8.573	ug/l	99
74) N-amyl acetate	12.30	43	36682	7.693	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	37649	9.160	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	28112m	9.793	ug/l	
77) Bromobenzene	12.77	156	54591	9.349	ug/l	99
78) n-propylbenzene	12.83	91	238410	8.607	ug/l	100
79) 2-Chlorotoluene	12.91	91	141118	9.020	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	165913	8.668	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	11005	8.265	ug/l	93
82) 4-Chlorotoluene	13.01	91	152869	9.307	ug/l	100
83) tert-Butylbenzene	13.23	119	134120	8.264	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	166301	8.791	ug/l	100
85) sec-Butylbenzene	13.41	105	199315	8.638	ug/l	100
86) p-Isopropyltoluene	13.53	119	182564	8.661	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	108387	9.651	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	109313	9.778	ug/l	97
89) n-Butylbenzene	13.85	91	163727	8.437	ug/l	98
90) Hexachloroethane	14.13	117	41215	9.486	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	89136	9.326	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5741	9.140	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57395	8.845	ug/l	99
94) Hexachlorobutadiene	15.28	225	40828	9.636	ug/l	100
95) Naphthalene	15.41	128	76398	7.387	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	48690	8.686	ug/l	98

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

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