

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065536.D
 Acq On : 27 Mar 2020 11:26
 Operator : VA/SY
 Sample : VD0327SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Manual Integrations
 APPROVED

apatel
 3/30/2020 2:54:57 PM

Quant Time: Mar 30 06:52:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	542155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	765530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	704069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224203	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.91	113	244800	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.34	98	953889	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.64	95	295935	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82041	24.833	ug/l	97
3) Chloromethane	2.21	50	103940	22.584	ug/l	98
4) Vinyl Chloride	2.35	62	106135	21.184	ug/l	91
5) Bromomethane	2.76	94	70730	20.564	ug/l	92
6) Chloroethane	2.92	64	66450	20.525	ug/l	97
7) Trichlorofluoromethane	3.27	101	161705	21.634	ug/l	97
8) Diethyl Ether	3.70	74	43687	18.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100908	20.469	ug/l	99
10) Methyl Iodide	4.29	142	95628	16.765	ug/l	99
11) Tert butyl alcohol	5.24	59	15514	61.130	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	94930	20.268	ug/l	96
13) Acrolein	3.92	56	34864	81.364	ug/l	100
14) Allyl chloride	4.71	41	135114	18.959	ug/l	100
15) Acrylonitrile	5.43	53	86136	88.198	ug/l	100
16) Acetone	4.16	43	77836	91.405	ug/l	94
17) Carbon Disulfide	4.40	76	316448	20.494	ug/l	100
18) Methyl Acetate	4.71	43	39847	17.995	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	161714	17.312	ug/l	99
20) Methylene Chloride	4.96	84	110979	17.516	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	108141	20.068	ug/l	97
22) Diisopropyl ether	6.37	45	266623	19.293	ug/l	97
23) Vinyl Acetate	6.31	43	678348	90.116	ug/l	99
24) 1,1-Dichloroethane	6.26	63	175118	19.983	ug/l	96
25) 2-Butanone	7.21	43	102856	88.939	ug/l	96
26) 2,2-Dichloropropane	7.21	77	157913	20.349	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105823	18.951	ug/l	98
28) Bromochloromethane	7.55	49	69114	18.968	ug/l	96
29) Tetrahydrofuran	7.57	42	64359	85.866	ug/l	100
30) Chloroform	7.71	83	180414	19.874	ug/l	97
31) Cyclohexane	7.98	56	165960	19.563	ug/l	88
32) 1,1,1-Trichloroethane	7.91	97	168014	20.487	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146977	21.014	ug/l	99
37) Ethyl Acetate	7.30	43	51554	19.256	ug/l #	78
38) Carbon Tetrachloride	8.10	117	152565	20.710	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165349	20.051	ug/l	97
40) Benzene	8.35	78	414190	20.753	ug/l	99
41) Methacrylonitrile	7.53	41	22874	14.801	ug/l #	68
42) 1,2-Dichloroethane	8.43	62	106092	19.976	ug/l	99
43) Isopropyl Acetate	8.46	43	90338	18.581	ug/l	96
44) Trichloroethene	9.11	130	115913	20.016	ug/l	100
45) 1,2-Dichloropropane	9.39	63	96475	19.899	ug/l	97
46) Dibromomethane	9.48	93	50323	19.781	ug/l	99
47) Bromodichloromethane	9.67	83	133342	19.785	ug/l	100
48) Methyl methacrylate	9.46	41	45415	19.645	ug/l	94
49) 1,4-Dioxane	9.46	88	10970	396.551	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	238211	97.090	ug/l	98
52) Toluene	10.41	92	260433	20.604	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	119150	19.330	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	146604	19.440	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71501	19.702	ug/l	95
56) Ethyl methacrylate	10.67	69	69909	18.028	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118056	19.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	196134	95.237	ug/l	99
59) 2-Hexanone	10.99	43	153960	92.034	ug/l	97
60) Dibromochloromethane	11.14	129	93247	19.389	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67121	19.110	ug/l	99
64) Tetrachloroethene	10.88	164	105414	20.901	ug/l	95
65) Chlorobenzene	11.67	112	274668	19.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	103103	20.086	ug/l	99
67) Ethyl Benzene	11.75	91	470415	20.291	ug/l	99
68) m/p-Xylenes	11.86	106	375475	41.248	ug/l	97
69) o-Xylene	12.18	106	158397	19.869	ug/l	99
70) Styrene	12.20	104	283073	20.103	ug/l	99
71) Bromoform	12.37	173	55696	19.672	ug/l #	100
73) Isopropylbenzene	12.48	105	437813	20.373	ug/l	100
74) N-amyl acetate	12.30	43	76993	18.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	74020	19.830	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	48344m	17.968	ug/l	
77) Bromobenzene	12.77	156	112385	20.013	ug/l	99
78) n-propylbenzene	12.83	91	539274	21.053	ug/l	100
79) 2-Chlorotoluene	12.91	91	301728	20.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	377180	21.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22773	18.893	ug/l	98
82) 4-Chlorotoluene	13.01	91	324327	20.884	ug/l	99
83) tert-Butylbenzene	13.23	119	303908	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	371584	20.867	ug/l	100
85) sec-Butylbenzene	13.41	105	439342	20.580	ug/l	100
86) p-Isopropyltoluene	13.53	119	410774	20.881	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	224561	20.773	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	218323	20.212	ug/l	99
89) n-Butylbenzene	13.86	91	368871	20.647	ug/l	99
90) Hexachloroethane	14.12	117	86307	20.921	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	186725	20.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10535	18.735	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118164	18.619	ug/l	99
94) Hexachlorobutadiene	15.28	225	86192	20.841	ug/l	98
95) Naphthalene	15.41	128	162366	18.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102383	18.784	ug/l	99

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

