

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001871.D
 Acq On : 05 Mar 2020 11:16
 Operator : SY/MD
 Sample : VY0305SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:49 AM

Quant Time: Mar 06 04:53:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	178132	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	318208	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	289787	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	135538	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	95392	50.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	7.74	113	88400	50.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.19	98	374105	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.49	95	129432	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	30275	18.412	ug/l	96
3) Chloromethane	2.12	50	43527	19.634	ug/l	100
4) Vinyl Chloride	2.26	62	41492	18.400	ug/l	96
5) Bromomethane	2.65	94	28705	18.056	ug/l	95
6) Chloroethane	2.80	64	26923	19.007	ug/l	97
7) Trichlorofluoromethane	3.13	101	57454	18.787	ug/l	95
8) Diethyl Ether	3.54	74	23142	19.200	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	36902	18.761	ug/l	99
10) Methyl Iodide	4.10	142	40626	17.860	ug/l	98
11) Tert butyl alcohol	4.98	59	17942	74.842	ug/l	97
12) 1,1-Dichloroethene	3.88	96	37792	19.082	ug/l	97
13) Acrolein	3.75	56	27161	101.639	ug/l	97
14) Allyl chloride	4.49	41	66725	19.004	ug/l	99
15) Acrylonitrile	5.19	53	61672	95.753	ug/l	99
16) Acetone	3.96	43	50760	91.644	ug/l	100
17) Carbon Disulfide	4.21	76	122718	18.432	ug/l	100
18) Methyl Acetate	4.49	43	28456	19.995	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	103601	19.303	ug/l	97
20) Methylene Chloride	4.74	84	46528	19.600	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	42146	18.749	ug/l	97
22) Diisopropyl ether	6.14	45	140845	19.570	ug/l	94
23) Vinyl Acetate	6.08	43	452805	95.971	ug/l	98
24) 1,1-Dichloroethane	6.04	63	73914	18.965	ug/l	98
25) 2-Butanone	7.00	43	79276	94.118	ug/l	96
26) 2,2-Dichloropropane	7.00	77	59766	18.683	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	46491	19.013	ug/l	99
28) Bromochloromethane	7.35	49	35109	19.985	ug/l	99
29) Tetrahydrofuran	7.36	42	53469	95.592	ug/l	99
30) Chloroform	7.52	83	70305	19.200	ug/l	100
31) Cyclohexane	7.80	56	77258	18.488	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	58726	19.028	ug/l	97
36) 1,1-Dichloropropene	7.93	75	57801	18.876	ug/l	98
37) Ethyl Acetate	7.09	43	34306	19.276	ug/l	99
38) Carbon Tetrachloride	7.91	117	49434	18.898	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	77121	18.989	ug/l	96
40) Benzene	8.17	78	174386	19.214	ug/l	98
41) Methacrylonitrile	7.33	41	16051m	20.040	ug/l	
42) 1,2-Dichloroethane	8.25	62	45756	19.564	ug/l	99
43) Isopropyl Acetate	8.28	43	65557	19.456	ug/l	99
44) Trichloroethene	8.95	130	41404	18.731	ug/l	99
45) 1,2-Dichloropropane	9.22	63	44283	19.409	ug/l	94
46) Dibromomethane	9.32	93	22864	19.446	ug/l	99
47) Bromodichloromethane	9.50	83	52806	19.307	ug/l	99
48) Methyl methacrylate	9.30	41	30161	20.173	ug/l	99
49) 1,4-Dioxane	9.31	88	6615	410.595	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	167831	96.703	ug/l	100
52) Toluene	10.25	92	107731	19.539	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	58134	19.510	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	67591	19.054	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	32731	19.022	ug/l	97
56) Ethyl methacrylate	10.51	69	48936	19.403	ug/l	96
57) 1,3-Dichloropropane	10.80	76	58893	19.201	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	133183	136.456	ug/l	100
59) 2-Hexanone	10.83	43	120265	97.086	ug/l	100
60) Dibromochloromethane	10.99	129	34549	19.055	ug/l	99
61) 1,2-Dibromoethane	11.09	107	31195	19.139	ug/l	98
64) Tetrachloroethene	10.72	164	35054	19.289	ug/l	91
65) Chlorobenzene	11.52	112	108679	18.822	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	35392	18.691	ug/l	99
67) Ethyl Benzene	11.60	91	203688	18.915	ug/l	98
68) m/p-Xylenes	11.70	106	153386	38.527	ug/l	99
69) o-Xylene	12.03	106	71702	19.108	ug/l	97
70) Styrene	12.05	104	123375	19.196	ug/l	99
71) Bromoform	12.21	173	19164	18.662	ug/l #	99
73) Isopropylbenzene	12.33	105	190992	18.459	ug/l	99
74) N-amyl acetate	12.14	43	60719	19.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	42673	19.125	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31289m	19.455	ug/l	
77) Bromobenzene	12.61	156	41446	18.907	ug/l	100
78) n-propylbenzene	12.67	91	235998	18.488	ug/l	99
79) 2-Chlorotoluene	12.76	91	131900	18.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	159164	18.686	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	14258	17.908	ug/l	93
82) 4-Chlorotoluene	12.86	91	137726	18.757	ug/l	99
83) tert-Butylbenzene	13.08	119	131298	18.559	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	160642	19.004	ug/l	99
85) sec-Butylbenzene	13.25	105	194965	18.696	ug/l	100
86) p-Isopropyltoluene	13.37	119	170700	18.976	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	81935	19.074	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	82390	18.906	ug/l	99
89) n-Butylbenzene	13.70	91	176657	18.929	ug/l	99
90) Hexachloroethane	13.96	117	30168	17.777	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	73967	18.953	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6345	18.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48492	19.160	ug/l	98
94) Hexachlorobutadiene	15.11	225	23512	19.055	ug/l	99
95) Naphthalene	15.24	128	112731	18.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	43232	19.391	ug/l	98

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

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